

## MULTIPLE OUTPUT CONVERTER AND METHOD OF OPERATION THEREOF

### ABSTRACT OF THE DISCLOSURE

A multiple output converter, and related method of operation thereof, that includes a primary output and at least one auxiliary output. In one embodiment, the multiple output converter includes a transformer having a primary winding and at least one secondary winding. The multiple output converter also includes a switch, coupled to the primary winding, that impresses an input voltage across the transformer. A first output voltage of the multiple output converter is produced at the primary output via a magnetizing inductance associated with the transformer. The multiple output converter still further includes an output inductor coupled to the at least one secondary winding. A second output voltage of the multiple output converter is produced at the auxiliary output via the output inductor.